

(12) **United States Patent**  
**Schleiden, II**

(10) **Patent No.:** **US 9,636,535 B2**  
(45) **Date of Patent:** **May 2, 2017**

(54) **DOOR-MOUNTED PORTABLE EXERCISE APPARATUS**

USPC ..... 482/40, 129, 121, 126  
See application file for complete search history.

(71) Applicant: **Roy Randolph Schleiden, II**, Lees Summit, MO (US)

(56) **References Cited**

U.S. PATENT DOCUMENTS

(72) Inventor: **Roy Randolph Schleiden, II**, Lees Summit, MO (US)

6,322,483 B1	11/2001	Rotella	
6,908,418 B2 *	6/2005	Saure	A63B 21/0552 482/121
8,197,392 B2	6/2012	Silverman et al.	
2006/0040811 A1 *	2/2006	Foster	A63B 21/1473 482/142

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 159 days.

\* cited by examiner

(21) Appl. No.: **13/953,357**

*Primary Examiner* — Loan H Thanh

(22) Filed: **Jul. 29, 2013**

*Assistant Examiner* — Rae Fischer

(65) **Prior Publication Data**

(74) *Attorney, Agent, or Firm* — Mashburn Law Office, LLC; Donna Denise Masburn Chapman

US 2015/0031512 A1 Jan. 29, 2015

(57) **ABSTRACT**

(51) **Int. Cl.**

<b>A63B 21/16</b>	(2006.01)
<b>A63B 21/04</b>	(2006.01)
<b>A63B 21/055</b>	(2006.01)
<b>A63B 23/035</b>	(2006.01)
<b>A63B 23/12</b>	(2006.01)
<b>A63B 7/00</b>	(2006.01)
<b>A63B 21/068</b>	(2006.01)

A door-mounted portable exercise apparatus having a non-elastic adjustable strap that extends vertically around a door. An attached connector maintains the adjustable strap in a snug position around the door. A first anchor and a second anchor are secured to the adjustable strap by a re-enforcing strap near the top edge of the door. When the door is closed, the first anchor is positioned near the junction of the closing face of the door and the door frame, and the second anchor is positioned near the junction of the opening face of the door and the door frame. At least two non-elastic loops are attached near the top and bottom of the adjustable strap by short strips on the closing side of the door. Elastic bands of various tensions can be attached to or passed through at least one non-elastic loop of the apparatus to permit a wide range of exercise motions by a user.

(52) **U.S. Cl.**

CPC ..... **A63B 21/0442** (2013.01); **A63B 21/0552** (2013.01); **A63B 21/1645** (2013.01); **A63B 23/03541** (2013.01); **A63B 23/1209** (2013.01); **A63B 7/00** (2013.01); **A63B 21/068** (2013.01)

(58) **Field of Classification Search**

CPC ..... A63B 21/1618–21/1663

**5 Claims, 8 Drawing Sheets**

